

**In the claims:**

For the Examiner's convenience, all pending claims are presented below with changes shown.

1. (Currently Amended) A tuner comprising:  
an input section for converting a radio frequency signal to a sequence in time of amplitude samples;  
a threshold generator for generating a threshold as a first function of an average of amplitudes of a plurality of said amplitude samples;  
a comparator for comparing said amplitude of each of said amplitude samples with said threshold; and  
a corrector responsive to said comparator for setting to zero each of only said amplitude samples ~~whose~~ with an amplitude is greater than said threshold and to transmit a signal to said threshold generator indicating that said threshold generator is to exclude from said average any of said amplitude samples whose amplitude exceeds said threshold.

2. (Previously Presented) A tuner as claimed in claim 1, in which said corrector is arranged to set to zero n consecutive ones of said amplitude samples after each of said amplitude samples whose amplitude is greater than said threshold, where n is a positive integer.

3. (Previously Presented) A tuner as claimed in claim 1, in which said

Docket No.: 42P23768  
Application No.: 09/931,458

corrector is arranged to set to zero m consecutive ones of said amplitude samples before each of said amplitude samples whose amplitude is greater than said threshold, where m is a positive integer.

4. (Original) A tuner as claimed in claim 1, in which said average is a moving average.

5. (Previously Presented) A tuner as claimed in claim 1, in which said threshold is greater than a product of said average and a peak-to-average ratio of said amplitude samples [intermediate signal].

6. (Original) A tuner as claimed in claim 1, in which said threshold is greater than three times said average.

7. (Original) A tuner as claimed in claim 1, in which said input section comprises a zero intermediate frequency converter.

8. (Previously Presented) A tuner as claimed in claim 1, in which said input section has in-phase and quadrature outputs for supplying said amplitude samples.

9. (Previously Presented) A tuner as claimed in claim 1, in which said input section comprises an analogue/digital converter for forming said amplitude samples as digital samples.

Docket No.: 42P23768  
Application No.: 09/931,458

10. (Original) A tuner as claimed in claim 1, comprising a COFDM demodulator.
11. (Previously Presented) A tuner as claimed in claim 1, comprising a fast Fourier transformer for processing said amplitude samples from said corrector.
12. (Currently Amended) A set top box comprising:  
a tuner comprising:  
an input section for converting a radio frequency signal to a sequence in time of amplitude samples;  
a threshold generator for generating a threshold as a first function of an average of amplitudes of a plurality of said amplitude samples;  
a comparator for comparing said amplitude of each of said amplitude samples with said threshold; and  
a corrector responsive to said comparator for setting to zero ~~each of~~ only said amplitude samples ~~whose~~ with an amplitude is greater than said threshold and to transmit a signal to said threshold generator indicating that said threshold generator is to exclude from said average any of said amplitude samples whose amplitude exceeds said threshold.
13. (Currently Amended) A television receiver comprising:  
a tuner comprising:

an input section for converting a radio frequency signal to a sequence in time of amplitude;

a threshold generator for generating a threshold as a first function of an average of amplitudes of a plurality of said amplitude samples;

a comparator for comparing said amplitude of each of said amplitude samples with said threshold; and

a corrector responsive to said comparator for setting to zero ~~each of~~ only said amplitude samples ~~whose~~ with an amplitude is greater than said threshold and to transmit a signal to said threshold generator indicating that said threshold generator is to exclude from said average any of said amplitude samples whose amplitude exceeds said threshold.

14. (Currently Amended) A television signal recorder comprising:

a tuner comprising:

an input section for converting a radio frequency signal to a sequence in time of amplitude samples;

a threshold generator for generating a threshold as a first function of an average of amplitudes of a plurality of said amplitude samples;

a comparator for comparing said amplitude of each of said amplitude samples with said threshold; and

a corrector responsive to said comparator for setting to zero ~~each of~~ only said amplitude samples ~~whose~~ with an amplitude is greater than said threshold and to transmit a signal to said threshold generator indicating that said threshold

generator is to exclude from said average any of said amplitude samples whose amplitude exceeds said threshold.

Docket No.: 42P23768  
Application No.: 09/931,458

6